## **AMENDMENTS TO THE CLAIMS**

1-14. (Canceled)

15. (Previously presented) A printed circuit board with embedded capacitors therein,

comprising:

a) a non-copper clad laminate having a plurality of inner via holes formed on

its predetermined regions, wherein the via holes define a perimeter;

b) a capacitor paste filled in the plurality of inner via holes formed on the

non-copper clad laminate, wherein the capacitor paste fills the via holes to the perimeter of the

via holes and throughout the height of the via holes;

c) copper foil layers provided on both upper and lower surfaces of the

capacitor paste and the non-copper clad laminate, the copper foil layers forming top electrodes.

bottom electrodes and signal circuit patterns, wherein a top electrode formed by a copper foil

layer contacts the top of the capacitor paste at least over the area defined by the perimeter of the

via hole and a bottom electrode formed by a copper foil layer contacts the bottom of the

capacitor paste at least over the area defined by the perimeter of the via hole and wherein the

signal circuit patterns are formed by a copper foil layer juxtaposed next to the top and bottom

surfaces of the non-copper clad laminate at the height of the top and bottom electrodes of the

capacitor;

d) resin coated copper (RCC) layers laminated to the top electrodes, the

bottom electrodes and the signal circuit patterns;

e) predetermined outer via holes and through-holes formed in the resin

coated copper layers; and

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Seattle, Washington 98101 206.682.8100 f) plating layers plated in the inner walls of the outer via holes and the

through-holes.

16. (Original) A printed circuit board with embedded capacitors therein according to

Claim 15, wherein the non-copper clad laminate is an FR-4 insulator.

17. (Original) A printed circuit board with embedded capacitors therein according to

Claim 15, wherein the via holes are filled with the capacitor paste using a screen-printing

manner.

18. (Original) A printed circuit board with embedded capacitors therein according to

Claim 15, wherein the capacitor paste is a composite of high dielectric BaTiO<sub>3</sub> ceramic powders

having a dielectric constant of 1,000~10,000 and a thermosetting epoxy resin or polyimide.

19. (Original) A printed circuit board with embedded capacitors therein according to

Claim 15, wherein the capacitor paste is a polymer ceramic composite having a dielectric

constant of about 80~90, the polymer ceramic composite being obtained by homogeneously

dispersing the BaTiO<sub>3</sub> powders composed of coarse powders having a particle diameter of 0.9µm

and fine powders having a particle diameter of 60nm (bimodal form) in the epoxy resin in a

volume ratio of 3:1~5:1.

20. (Original) A printed circuit board with embedded capacitors therein according to

Claim 15, wherein the resin coated copper (RCC) layers are laminated by a build-up process.

21. (Original) A printed circuit board with embedded capacitors therein according to

Claim 15, wherein the outer via holes are formed using a laser drill.

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	22.	(Original) A printed circuit board with embedded capacitors therein according to
Claim 15, wherein the through-holes are formed using a mechanical drill.		